

C.M.
Kam

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/673,785D

DATE: 05/20/2003
TIME: 13:46:20

Input Set : A:\8830_170_v2.ST25.txt
Output Set: N:\CRF4\05192003\I673785D.raw

3 <110> APPLICANT: The Queen's University of Belfast
 4 Nelson, John
 5 Walker, Brian
 6 McFerran, Neil
 7 Patrick, Harriot
 9 <120> TITLE OF INVENTION: Peptide Fragments of Murine Epidermal Growth Factor as
 Laminin
 10 Receptor Targets
 12 <130> FILE REFERENCE: 8830-170 (43784-181696)
 14 <140> CURRENT APPLICATION NUMBER: US 09/673,785D
 15 <141> CURRENT FILING DATE: 2000-12-29
 17 <150> PRIOR APPLICATION NUMBER: PCT/GB99/01211
 18 <151> PRIOR FILING DATE: 1999-04-21
 20 <150> PRIOR APPLICATION NUMBER: GB 9808407.2
 21 <151> PRIOR FILING DATE: 1998-04-22
 23 <160> NUMBER OF SEQ ID NOS: 31
 25 <170> SOFTWARE: PatentIn version 3.2
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 9
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Artificial Sequence based on linear sequence of amino acids
 34 925-933 of mature murine laminin B1 chain
 37 <220> FEATURE:
 38 <221> NAME/KEY: MOD_RES
 39 <222> LOCATION: (9)..(9)
 40 <223> OTHER INFORMATION: AMIDATION
 42 <400> SEQUENCE: 1
 44 Cys Asp Pro Gly Tyr Ile Gly Ser Arg
 45 1 5
 48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 10
 50 <212> TYPE: PRT
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Artificial Sequence based on amino acid residues 33 to 42 of
 55 murine epidermal growth factor (mEGF)
 57 <400> SEQUENCE: 2
 59 Cys Val Ile Gly Tyr Ser Gly Asp Arg Cys
 60 1 5 10
 63 <210> SEQ ID NO: 3
 64 <211> LENGTH: 10
 65 <212> TYPE: PRT

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66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Synthetic construct
72 <220> FEATURE:
73 <221> NAME/KEY: MISC_FEATURE
74 <222> LOCATION: (5)..(5)
75 <223> OTHER INFORMATION: tyrosine analogue at position 5
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84 <211> LENGTH: 10
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Synthetic construct
92 <220> FEATURE:
93 <221> NAME/KEY: MISC_FEATURE
94 <222> LOCATION: (9)..(9)
95 <223> OTHER INFORMATION: arginine analogue at position 9
97 <400> SEQUENCE: 4
W--> 99 Cys Val Ile Gly Tyr Ser Gly Asp Xaa Cys
100 1 5 10
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 10
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Synthetic construct
112 <220> FEATURE:
113 <221> NAME/KEY: MOD_RES
114 <222> LOCATION: (1)..(1)
115 <223> OTHER INFORMATION: ACETYLATION
117 <400> SEQUENCE: 5
119 Cys Val Ile Gly Tyr Ser Gly Asp Arg Cys
120 1 5 10
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 10
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Synthetic construct
132 <220> FEATURE:
133 <221> NAME/KEY: MOD_RES
134 <222> LOCATION: (10)..(10)
135 <223> OTHER INFORMATION: AMIDATION
137 <400> SEQUENCE: 6
139 Cys Val Ile Gly Tyr Ser Gly Asp Arg Cys
140 1 5 10

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Input Set : A:\8830_170_v2.ST25.txt
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143 <210> SEQ ID NO: 7
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145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Synthetic construct
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153 <221> NAME/KEY: MOD_RES
154 <222> LOCATION: (1)..(1)
155 <223> OTHER INFORMATION: Acteoamido methyl group
157 <220> FEATURE:
158 <221> NAME/KEY: MOD_RES
159 <222> LOCATION: (1)..(1)
160 <223> OTHER INFORMATION: ACETYLATION
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163 <221> NAME/KEY: MOD_RES
164 <222> LOCATION: (10)..(10)
165 <223> OTHER INFORMATION: AMIDATION
167 <220> FEATURE:
168 <221> NAME/KEY: MOD_RES
169 <222> LOCATION: (10)..(10)
170 <223> OTHER INFORMATION: Acteoamido methyl group
172 <400> SEQUENCE: 7
174 Cys Val Ile Gly Tyr Ser Gly Asp Arg Cys
175 1 5 10
178 <210> SEQ ID NO: 8
179 <211> LENGTH: 10
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Synthetic construct
187 <220> FEATURE:
188 <221> NAME/KEY: MISC_FEATURE
189 <222> LOCATION: (5)..(5)
190 <223> OTHER INFORMATION: tyrosine analog
192 <400> SEQUENCE: 8
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195 1 5 10
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199 <211> LENGTH: 10
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Synthetic construct
207 <220> FEATURE:
208 <221> NAME/KEY: MISC_FEATURE
209 <222> LOCATION: (9)..(9)
210 <223> OTHER INFORMATION: Citrulline at position 9
212 <400> SEQUENCE: 9

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Input Set : A:\8830_170_v2.ST25.txt
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W--> 214 Cys Val Ile Gly Tyr Ser Gly Asp Xaa Cys
215 1 5 10
218 <210> SEQ ID NO: 10
219 <211> LENGTH: 9
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Synthetic construct
227 <220> FEATURE:
228 <221> NAME/KEY: MISC_FEATURE
229 <222> LOCATION: (5)..(5)
230 <223> OTHER INFORMATION: 2',6'-dimethyl-beta-methyl-tyrosine at position 5 of linear
231 sequence of amino acids 925-933 of the mature murine b1 chain
233 <400> SEQUENCE: 10
W--> 235 Cys Asp Pro Gly Xaa Ile Gly Ser Arg
236 1 5
239 <210> SEQ ID NO: 11
240 <211> LENGTH: 9
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Synthetic construct
248 <220> FEATURE:
249 <221> NAME/KEY: MISC_FEATURE
250 <222> LOCATION: (5)..(5)
251 <223> OTHER INFORMATION: 2-O-methyl-tyrosine at position 5 of linear sequence of
amino acids 925-933 of the mature murine b1 chain
254 <400> SEQUENCE: 11
W--> 256 Cys Asp Pro Gly Xaa Ile Gly Ser Arg
257 1 5
260 <210> SEQ ID NO: 12
261 <211> LENGTH: 9
262 <212> TYPE: PRT
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Synthetic construct
269 <220> FEATURE:
270 <221> NAME/KEY: MISC_FEATURE
271 <222> LOCATION: (5)..(5)
272 <223> OTHER INFORMATION: 2-O-ethyl-tyrosine at position 5 of linear sequence of amino
273 acids 925-933 of the mature murine b1 chain
275 <400> SEQUENCE: 12
W--> 277 Cys Asp Pro Gly Xaa Ile Gly Ser Arg
278 1 5
281 <210> SEQ ID NO: 13
282 <211> LENGTH: 10
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:

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Input Set : A:\8830_170_v2.ST25.txt
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287 <223> OTHER INFORMATION: Synthetic construct
 290 <220> FEATURE:
 291 <221> NAME/KEY: MISC_FEATURE
 292 <222> LOCATION: (5)..(5)
 293 <223> OTHER INFORMATION: tyrosine analog
 295 <220> FEATURE:
 296 <221> NAME/KEY: MISC_FEATURE
 297 <222> LOCATION: (9)..(9)
 298 <223> OTHER INFORMATION: Citrulline at position 9 of sequence based on mEGF 32-42
 300 <400> SEQUENCE: 13
 W--> 302 Cys Val Ile Gly Xaa Ser Gly Asp Xaa Cys
 303 1 5 10
 306 <210> SEQ ID NO: 14
 307 <211> LENGTH: 10
 308 <212> TYPE: PRT
 309 <213> ORGANISM: Artificial Sequence
 311 <220> FEATURE:
 312 <223> OTHER INFORMATION: Synthetic construct
 315 <220> FEATURE:
 316 <221> NAME/KEY: DISULFID
 317 <222> LOCATION: (1)..(10)
 318 <223> OTHER INFORMATION: Disulphide bond between N and C terminal cysteines of sequence
 319 based on mEGF 33-42
 321 <400> SEQUENCE: 14
 323 Cys Val Ile Gly Tyr Ser Gly Asp Arg Cys
 324 1 5 10
 327 <210> SEQ ID NO: 15
 328 <211> LENGTH: 20
 329 <212> TYPE: PRT
 330 <213> ORGANISM: Artificial Sequence
 332 <220> FEATURE:
 333 <223> OTHER INFORMATION: Artificial Sequence corresponding to COOH terminal end of the
 334 human laminin receptor
 336 <400> SEQUENCE: 15
 338 Pro Thr Glu Asp Trp Ser Ala Gln Pro Ala Thr Glu Asp Trp Ser Ala
 339 1 5 10 15
 342 Ala Pro Thr Ala
 343 20
 346 <210> SEQ ID NO: 16
 347 <211> LENGTH: 10
 348 <212> TYPE: PRT
 349 <213> ORGANISM: Artificial Sequence
 351 <220> FEATURE:
 352 <223> OTHER INFORMATION: Synthetic construct
 355 <220> FEATURE:
 356 <221> NAME/KEY: MOD_RES
 357 <222> LOCATION: (1)..(1)
 358 <223> OTHER INFORMATION: ACETYLATION
 360 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/20/2003
PATENT APPLICATION: US/09/673,785D TIME: 13:46:21

Input Set : A:\8830_170_v2.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 5
Seq#:4; Xaa Pos. 9
Seq#:8; Xaa Pos. 5
Seq#:9; Xaa Pos. 9
Seq#:10; Xaa Pos. 5
Seq#:11; Xaa Pos. 5
Seq#:12; Xaa Pos. 5
Seq#:13; Xaa Pos. 5, 9
Seq#:19; Xaa Pos. 9
Seq#:20; Xaa Pos. 5
Seq#:27; Xaa Pos. 3, 5
Seq#:29; Xaa Pos. 4, 7
Seq#:30; Xaa Pos. 4, 7
Seq#:31; Xaa Pos. 5

VERIFICATION SUMMARY

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Input Set : A:\8830_170_v2.ST25.txt
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L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0